

Claims

What is claimed is:

1. A tool table comprising;

5 a tabletop assembly;

 a base assembly having a plurality of sides and a circumference in cooperation with the tabletop;

 a guide control unit in cooperation with the base;

 a plurality of leg assemblies connected to the base;

10 a portable table tool support bracket connected to the base;

 a plurality of extendible work supports connected to the tabletop; and

 a gear assembly connected to the base in communication with the guide control unit.

2. A tool of claim 1, wherein the tabletop assembly is supported by the base assembly.

3. A tool of claim 1, wherein the base assembly is substantially rectangular in shape.

15 4. The tool of claim 1, wherein the base assembly further comprises a channel located within the base assembly.

5. The tool of claim 1, wherein the gear assembly further comprises a hand crank operatively connected to the gear assembly.

6. The tool of claim 5, wherein the gear assembly further comprises a chain operatively connected to the hand crank.

20 7. The tool of claim 6, wherein the gear assembly further comprises a return sprocket operatively connected to the chain.

8. The tool of claim 6, wherein the gear assembly further comprises a drive sprocket operationally connected to the hand crank and the chain.

9. The tool of claim 8, wherein the gear assembly further comprises an adjustment lock connected between the hand crank and the drive sprocket.

10. The tool of claim 9, wherein the crank further comprises a drive shaft connected between a hand wheel and the drive sprocket.

5 11. The tool of claim 1, wherein the guide control unit further comprises a trolley assembly and a tool mount connected to the trolley.

12. The tool of claim 11, wherein the guide control unit further comprises an upper and lower plate pivotally connected to each other.

10 13. The tool of claim 12, wherein the guide control unit further comprises at least one hinge connected between the upper and lower plate.

14. The tool of claim 12, wherein the guide control unit further comprises at least one adjustable spring connected between the upper and lower plate.

15. The tool of claim 12, wherein the guide control unit further comprises an adjustable vertical stop connected to the lower plate and located between the upper and lower plate.

15 16. The tool of claim 12, wherein the guide control unit further comprises tool attachment features located in the upper plate.

17. The tool of claim 1, further comprising a plurality of trolley rails mounted about the circumference of the base.

18. A tool table comprising;

20 a tabletop assembly;

a base assembly supporting the tabletop assembly;

a tool support assembly removably connected to at least one of the table and the base for supporting a woodworking tool so that the tool is above the table;

the tool support assembly comprising a guide control unit, a trolley connected to the guide control unit, a set of trolley rails connected to at least one of the table and the base for supporting the trolley and a gear assembly operationally connected to the trolley; a plurality of legs connects to the base for supporting the base and tabletop; a tabletop support bracket located 5 within the base for supporting a portable table tool; a plurality of tabletop members in cooperation with the tabletop assembly, the tabletop members being pivotally connected to the tabletop assembly; and a chain connected to the gear assembly and the trolley for moving the trolley along the trolley rails.

19. The tool table of claim 18, further comprising a plurality of movable workstop assemblies in 10 cooperation with the tabletop.
20. The tool table of claim 19, wherein the movable workstop assemblies are vertically adjustable relative to the tabletop assembly and positionable about the tabletop assembly.
21. The tool table of claim 18, wherein the legs are extendible from the base assembly.
22. The tool table of claim 18, wherein the tabletop members are extendible and adjustable.
- 15 23. The tool table of claim 18, wherein the tabletop members are removable and replaceable.
24. The tool table of claim 18, wherein the chain is operationally connected to the trolley.
25. The tool table of claim 24, wherein the trolley is adjustable on the chain.
26. The tool table of claim 18, further comprising at least one roller connected between the trolley and the trolley rails.
- 20 27. The tool table of claim 26, wherein said rollers are rotatably affixed to said trolley.
28. The tool table of claim 26, wherein said rollers distribute the weight of said trolley between the trolley rails.

29. The tool table of claim 18, wherein the trolley moves horizontally in relation to the tabletop assembly.

30. The tool table of claim 18, wherein the guide control unit is adjustable horizontally in relation to the tabletop assembly.

5 31. The tool table of claim 18, wherein the guide control unit is self adjusting vertically in relation to the tabletop assembly.

32. The tool table of claim 18, further comprising a tool attachment point located on the guide control unit.

33. The tool table of claim 18, wherein said guide control unit has an upper plate and a lower plate.

10 34. The tool table of claim 33, further comprising a hinge assembly located between the upper and lower plates.

35. The tool table of claim 34, wherein said hinge assembly further comprises at least one hinge arranged in cooperation with the upper and lower plates.

15 36. The tool table of claim 33, wherein said lower plate is connected to said trolley.

37. The tool table of claim 18, further comprising at least one spring connected between the guide control unit and the trolley.

38. The tool table of claim 33, wherein said upper plate is horizontally rotatable with respect to the lower plate.

20 39. The tool table of claim 18, further comprising a vertical tool adjustment in cooperation with the guide control unit.

40. The tool table of claim 18, wherein the trolley rails are substantially cylindrical.

41. The tool table of claim 18, further comprising a hand crank operatively connected to the gear assembly.
42. The tool table of claim 18, further comprising at least one bracket located within the base assembly.
- 5 43. The tool table of claim 42, wherein the portable table tools are supported by said bracket.